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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/808,709	03/16/2004	Richard J. Kuehnel	KUEHNEL 3-1 5945	
27973 7590 12/26/2007 OFFICE OF THE ASSOC. GEN. COUNSEL (IP & T) 9800 SAVAGE ROAD			EXAMINER	
			YAARY, MICHAEL D	
SUITE 6542 FORT MEADI	E, MD 20755-6542	ART UNIT PAPER NUMBER		PAPER NUMBER
			2193	
			MAIL DATE	DELIVERY MODE
			12/26/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)			
Office Action Summary		10/808;709	KUEHNEL ET AL.			
		Examiner	Art Unit			
		Michael Yaary	2193			
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet with the c	correspondence address			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tir will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 10 O	<u>ctober 2007</u> .				
2a)⊠	This action is FINAL . 2b) This action is non-final.					
3) 🗌	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 49	53 O.G. 213.			
Dispositi	ion of Claims					
5)⊠ 6)⊠ 7)□	Claim(s) <u>1-6</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdraw Claim(s) <u>1,2,5 and 6</u> is/are allowed. Claim(s) <u>3 and 4</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/o					
Applicati	ion Papers					
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine	epted or b) objected to by the drawing(s) be held in abeyance. Sertion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority ι	under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
	e of References Cited (PTO-892) to of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D				
3) Infor	mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	5) Notice of Informal F 6) Other:				

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DETAILED ACTION

Claims 1-6 are pending in the application.

Response to Arguments

- 1. Applicant's arguments, filed 10/10/2007, with respect to the 35 U.S.C. 101 rejections of claims 1 and 2 have been fully considered and are persuasive.
- 2. Claim 1 is directed to a device comprising a specific arrangement of an array of multipliers and an array of adders. The multipliers and adders are arranged in such a manner as to cover the generation of an uncorrelated pseudo-random bit sequence as disclosed by the specific arrangement of the device, thus not preempting every possible use, known, and unknown of a pseudo-random bit sequence. The claims is limited by the embodied structure recited, and therefore does not cause any preemption. Thus, the preemption rejections of claims 1 and 2 have been withdrawn.

Response to Amendment

Examiner notes that newly added claims 5 and 6 were added due to the previous 35 U.S.C. 101 rejection made by the examiner in the previous office action dated

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09/28/2007. Applicant may cancel claims 5 and 6, if desired, since claims 1 and 2 contain the same subject matter and are no longer rejected under 35 U.S.C. 101.

Claim Rejections - 35 USC § 101

3. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 3-4 are rejected under 35 U.S.C 101 as the claims are directed to non-statutory subject matter.

(i) As to claim 3, the mathematical method as claimed preempts the use of random number sequences over ranges that are not a power of two or a prime number. Although the claim is specific to a particular way to calculate the end result, in this case a random number, the claim is so broad and sweeping as to cover the known and unknown uses of the mathematical method as claimed. A suggested way to overcome the rejection would be to amend into the claim partial arrangement features of the device that performs the method., for example device features as discloses in claim 1. This would overcome the rejection as the claim would include the details of the embodiment in which the method is performed.

(ii) Claim 4 rejected for similar reasons as discussed for its parent claim, as it fails to

present any limitations that resolve the deficiencies of the claim from which it depends.

Allowable Subject Matter

- 4. Claims 1, 2, 5, and 6 are allowed.
- 5. Claims 3 and 4 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 101 set forth in this Office action.

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Yaary whose telephone number is (571) 270-1249. The examiner can normally be reached on Monday-Friday, 8:00 a.m - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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